



# Technical Data Sheet

Version 1.0

HW8631

## Groa

### Colossal



### Specification

Pattern	Plank
Construction	Multi-Layered Engineered
Top Layer Specie	European Oak ( <i>Quercus robur</i> )
Surface Process	Sanded & Brushed
Finish	Hardwax Oiled
Connection System	Tongue & Groove
Edge Profile	2-Sided Bevelled Edge
Backing	Birch Plywood ( <i>Betula</i> spp.)
Wear Layer Thickness	4mm
Total Thickness	20mm
Width	220–500mm
Length	3000–5000mm (May include up to 25% shorter boards)
Pack Size	TBC
Grade	Rustic



#### Key:

^ Please note that this is a smoked/fumed product. This reactive process will typically generate a wider range of colour variation in the product.

\*\* This product may require on-site sanding prior to applying a suitable finish

‡ Pack lengths will vary between the specified minimum and maximum lengths depending upon stock availability.

\* Subject to compatible subfloor and correct installation (see Installation Guidelines) including sensors.

# Temperature of top-face must never be allowed to exceed 27°C. UFH protocol to control temperature conditions is recommended.

## Installation Methods

Fully Bonded	No
Nailed/Screwed	Yes*
Floated on Underlay	Yes* (recommended)
Over Underfloor Heating	Yes*# (please ask for our technical guidelines)

All Havwoods floor must be installed by a competent installer who will have the necessary skills and take individual site circumstances into account. Havwoods warranty will apply only to floors which have been installed by a competent flooring installer comparable to BS8201 in the UK or equivalent standards worldwide.

## Grading Criteria

Known as either natural or rustic grade this allows a virtually limitless size and number of knots. Heartwood will be used, there will be colour variation, sapwood and filler; you should expect checks (cracks across the growth ring) and possibly some end shake (cracks between the rings). The colour of the filler is intended to complement the natural structure of the wood, where features such as knots are in contrast to the surrounding timber, and it may vary from batch to batch.

**N.B. The product grading criteria is inspected at each mill visually and should be taken as an approximation only.**

## Technical Criteria

Origin	Europe
Certification	FSC® Certified (FSC-C009500)
Janka Hardness Rating	1,120 lbf (4,980N)
Formaldehyde Emissions	E1 (EN717-1)
Pentachlorophenol Emissions	< 5ppm (CEN/TR 14823)
Slip Testing	45/26 PTV (EN 16165:2021)
Reaction to Fire Classification	Cfl-s1 (EN 13501-1:2018-12)
Thermal Conductivity	0.16 W/m K (EN 12667:2001-01)



# HAVWOODS

## For More Information Contact Our Experienced Team:

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Comprehensive maintenance instructions and materials are available from Havwoods for all floors.



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